

## 10. Squares

**Program Name: Squares.java**      **Input File: squares.dat**

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For a project your class is doing, you have been assigned to generate a set of concentric squares.

## Input

The only line of input will contain an unknown number of positive integers that indicate the size of the largest square in the designs that you are to create.

## Output

For each design, you will print a square with  $x$  asterisks (\*) on each side. Then inside that square will be another square, one cell away on each side. This pattern will continue until there is a single square in the middle, thus making a box of concentric squares. Print at least one blank line after each design.

### Example Input File

8 9

### Example Output to Screen

```

* * * * *
*           *
*   * * * *   *
* *   *       * *
* *   *       * *
* * * * *   *
*           *
* * * * *

```

  

```

* * * * * * * *
*               *
*   * * * *   *
* *   *       * *
* *   *       * *
* *   *       * *
* *   *       * *
* *   *       * *
*               *
* * * * * * * *

```